

Amendments

Please amend the application as follows:

In the Claims:

Please amend the following claims as follows:

Sub₁
D₁
26. (Twice amended) A method of producing an ASLV reverse transcriptase having a specific activity of from about [25,000] 30,000 units per milligram to about 140,000 units per milligram, said method comprising

- (a) obtaining a host cell comprising one or more nucleic acid sequences encoding one or more subunits of ASLV reverse transcriptase; and
- (b) culturing said host cell under conditions sufficient to produce said ASLV reverse transcriptase subunits, thereby producing an ASLV reverse transcriptase having a specific activity of from about [25,000] 30,000 units per milligram to about 140,000 units per milligram.

D₂
126. (Once amended) The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity selected from the group of specific activities consisting of:

- (a) about [25,000] ~~50,000~~ units per milligram to about 135,000 units per milligram,
- (b) about [25,000] ~~50,000~~ units per milligram to about 125,000 units per milligram,
- (c) about [25,000] 30,000 units per milligram to about 110,000 units per milligram,
- (d) about [25,000] 30,000 units per milligram to about 100,000 units per milligram,

and

- D²
word.
- (e) about [25,000] ~~30,000~~ units per milligram to about 90,000 units per milligram.
-

Please add the following claims:

--127. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity selected from the group of specific activities consisting of:

- D³
- (a) about 30,000 units per milligram to about 140,000 units per milligram,
 - (b) about 35,000 units per milligram to about 140,000 units per milligram,
 - (c) about 40,000 units per milligram to about 140,000 units per milligram,
 - (d) about 45,000 units per milligram to about 140,000 units per milligram,
 - (e) about 50,000 units per milligram to about 140,000 units per milligram,
 - (f) about 55,000 units per milligram to about 140,000 units per milligram,
 - (g) about 60,000 units per milligram to about 140,000 units per milligram,
 - (h) about 65,000 units per milligram to about 140,000 units per milligram, and
 - (i) about 70,000 units per milligram to about 140,000 units per milligram.

128. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 35,000 units per milligram to about 140,000 units per milligram.

129. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 40,000 units per milligram to about 140,000 units per milligram.

130. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 45,000 units per milligram to about 140,000 units per milligram.

131. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 50,000 units per milligram to about 140,000 units per milligram.

132. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 55,000 units per milligram to about 140,000 units per milligram.

133. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 60,000 units per milligram to about 140,000 units per milligram.

134. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 65,000 units per milligram to about 140,000 units per milligram.

135. The method of claim 26, wherein said ASLV reverse transcriptase has a specific activity of from about 70,000 units per milligram to about 140,000 units per milligram.--

Remarks

I. Support for Amendments

Support for the foregoing amendments to the claims may be found throughout the specification. Specifically, support for the amendments to claims 26 and 126, and support for new claims 127-135, can be found in the specification as originally filed, at page 29, lines 23-27.